ARM-TECH™

BHARIJ FABRICATORS

YOUR SAFETY - OUR STRENGTH

Infallible safety brought to you by

ARM-TECH

FROM INDIA TO THE WORLD

Infallible safety - Bharij Fabricators stock-in-trade has stood the test of over 3 decades of service. An award winning production house, Bharij Fabricators is reaching out to the world with products big and small to enhance the security of individuals and installations both in and out of uniform.

It's dedicated defence and security division-ARM-TECH provides one stop solutions to clients in India and abroad. The ultra modern, ISO 9001:2008 certified plant in Mohali, Punjab, fascilitates complete fabrication of bullet and mine proof vehicles as well as manufacture of security products ranging from bullet proof fortifications to personal protection gear to access control device. The proud recipients of ***Udyog Bharti Award*** and ***Economic Development Award*** for outstanding contribution in bullet proofing, ARM-TECH is committed to year-on-year excellence.

Fortification....Vehicle Armouring...Personal Protection

OUR OFFERING

ARMOURING OF VEHICLES 5

Personal Vehicles • Security Vehicles • Cash Transfer Vehicles

FORTIFICATIONS 8

Bunker • Sentry Posts • Morcha • BP Shield
Observation Tower

PERSONAL PROTECTION GEAR 14

Helmet • BP Jacket • Patka • Body Protector
Polycarbonate -Shield • Baton • Bomb Disposal Gear

ACCESS CONTROL SYSTEMS 16

Door Frame Metal Detector • Hand Held Metal Detector
Under Vehicle Search Mirror • Search Light
Bomb Detector • Deep Earth Metal

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CASH VAN

Transporting cash and valuables whether in the urban jungle or across cities requires the highest security from all sides – bullet proof steel and glass ensure your precious cargo remains secure.

MINE PROTECTED VEHICLE

Dominate in anti-terror or civil war situations with this fully indigenous mine protected vehicle that keeps valuable personnel safe from ballistic and mine attacks.

PERSONAL VEHICLE

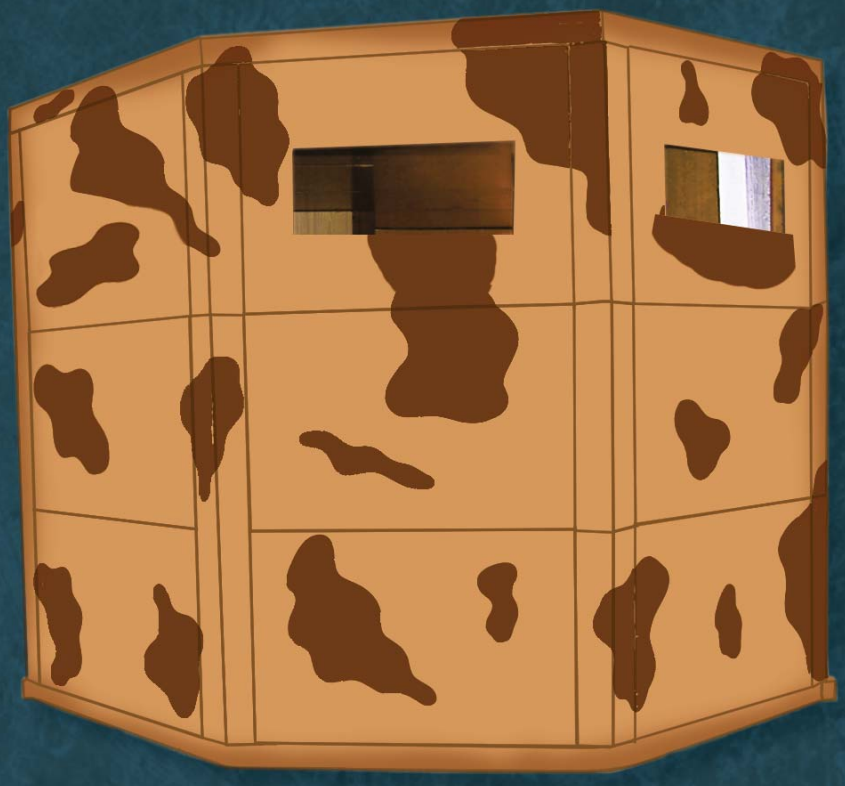
A key element of good security is keeping a low-profile and avoiding undue attention. Having a retinue of guards toting weapons and a convoy of vehicles says only one thing - "I'M A TARGET."

Years of experience have proven that quality-built, low-profile passenger vehicles will always provide the best protection possible for clients looking to escape or avoid a kidnapping attempt or terrorist attack. Through a specialized armoring process whereby the armor is literally retrofitted beneath the interior skin of the vehicle.

Man portable, versatile equipment that can be used time and again. Made from bulletproof steel minimise the threat from terrorists and weaponised hostile elements– real modern day perils to security personnel and VIPs functioning in counter insurgency and internal security environments.

BARRACK

A reclaimable yet impregnable bunker that can be set-up by 4-8 men within 8-10 hours – a tactical gem for any commander operating in a actule insurgency and live fire situations.



Durable ...Compact...

Impregnable

SENTRY POST

When the going gets tough in urban and built up areas, the man portable sentry post secures from top and three sides, thereby increasing effectiveness of fire power and reducing casualties in long periods of stand and shoot firing. A force multiplier.

Sentry post after fire assault

SENTRY CABIN

First line security is crucial and the bullet proof sentry cabin ensures protection yet comfort for those responsible for keeping vigil – an elegant yet resilient housing that allows the guard to never be lowered.

MORCHA

Deploy forces in groups of 2-3 for crouch and fire attacks with this easy to move, bullet proof protection that comes into its own in internal security and urban operations.

SHIELD

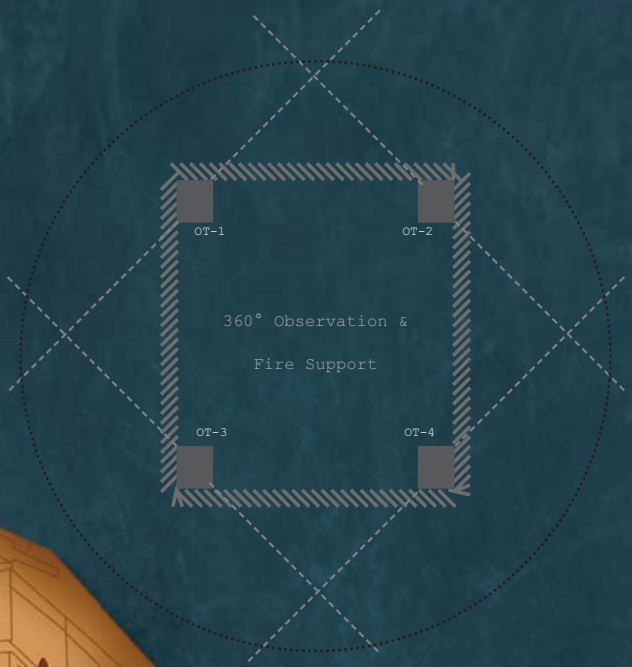
High mobility characterises this bullet proof shield. Effective at airports, railway stations and other vulnerable areas, the shield allows for a stay safe in a hit and run situation with a light weight individual protection. Make sure personnel has one.

PODIUM

A must have for those in public service operating in a high threat environment

OBSERVATION TOWER

Tower over any terrain and stay safe from snipers and hostile elements. Observe, control and monopolize any terrain securely and in comfort from a bullet proof elevated observation post. Ideal for all topographical conditions.



BULLET PROOF GEAR

JACKET

Available in a choice of armour protection, and finishes, bullet proof jackets by ARM-TECH are designed with one thing in mind - saving lives.

HELMET

Protective headgear for the man in uniform - lightweight and sturdy with trauma protection to insure the safety of the wearer.

PATKA

An alternate to traditional BP helmets, the Patka is more comfortable and at the same time less threatening in appearance to civil populations.

ANTI RIOT GEAR

The Body Protector is a formidable impact-resistant full body suit providing complete safety to the police and paramilitary forces during riots, civil unrest and mob situations.

BODY PROTECTOR

SHIELD

The light weight and transparent shield provides protection against rioters - essential equipment in mob control situations.

BATON

Tensile yet sturdy, the baton gives confidence to the user without bogging him/her down.

HELMET

The Helmet provides full head and face protection. Made from reinforced plastic, the helmet is available in a variety of colours as per user requirements.

DOOR FRAME METAL DETECTOR

Door Frame Metal Detectors (DFMD) are an invaluable deterent tool in today's hi-threat environment. The DFMD detects ferrous, non ferrous metal and their alloys. With multipal alarms and battery back-ups, in a choice models, there is one suitable for every scenario.

TYPE: 1

TYPE: 2

TYPE: 3

HAND HELD METAL DETECTOR

Hand Held Metal Detectors provide a second line physical and psychological barrier against miscreants. Available in a variety of models

TYPE: 1

TYPE: 2

TYPE: 3

SEARCH MIRROR

Periscopic mirrors for under-carriage and around-corner inspection - essential access check and control equipment

DEEP EARTH METAL DETECTOR

Locate mines, IEDs and other material buried under the soil. Enables a swift and surgical sanitisation of defined areas.

SEARCH LIGHT

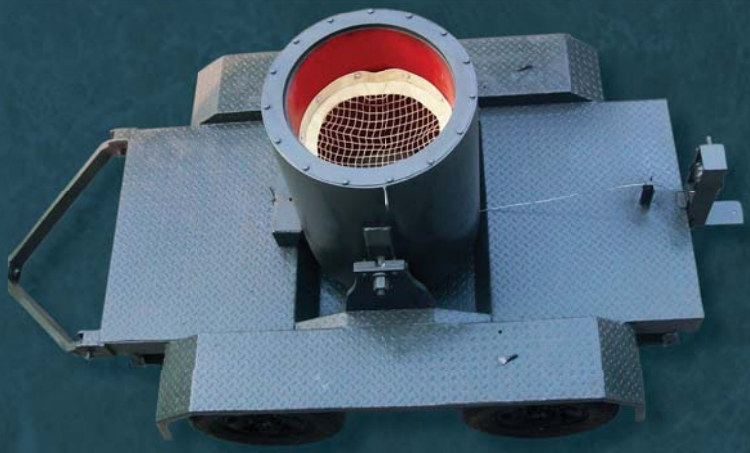
Powerful yet compact search lights with long battery life and weather proofing - an essential in all situations.

TYPE: 1

TYPE: 2

Despite the best efforts, security forces are at times faced with suspicious objects that may be lethal, ARM-TECH Bomb Disposal Gear provides a safe way to access the threat and neutralize it. Saving lives - ensuring security.

BOMB TRAILER



BOMB BLANKET

BOMB BASKET

SPECIFICATIONS

Please note

The specifications given in the following pages are for off-the-shelf items and those that have been manufactured by us and pressed into service by various establishments.

Being primary manufacturers we will be pleased to customise equipment and items to any specification required by you.

ARMOURING OF VEHICLES

DESCRIPTION	TECHNICAL SPECIFICATIONS
THREAT SPECIFICATION	(a) All sides to withstand direct hits of 7.62mm SLR (Level III) AK 47 rifle Indian rifles at a distance of 10 m at angle of 90 degrees. (b) Floor and under carriage against blast of hand grenade HE-36 or equivalent (c) Wheels with run flat tyres (Five Tyres). able to run minimum 40 km on flat tyres, after being hit as per standard. (d) Explosion Proof Fuel tank
MODIFICATIONS ON BASE VEHICLE	(a) Reinforcement of Body, Door Hinges, Pillars, Suspension & Chassis. (b) **Glass (es) replaced** with bullet resistant glasses. Fixed door glasses. Can be conveniently replaced if damaged. (c) **Engine compartment:** Fire wall at the bottom of the dashboard fitted inside the vehicle using 6.2+/- 0.5 mm thick B P steel to protect occupant from frontal attack. (d) **Front doors:** Driver and Co driver doors have bullet resistant glass of original look with Steel armour/light weight composite material inside the door. Other part of the door will be protected using steel armour. (e) **Middle doors:** Have bullet resistant glass of original look with Steel armour/light weight composite material inside the door. Other part of the door will be protected using steel armour. (f) **Rear (tail) door:** Original rear tail door is retained and a new fabricated door is fitted inside the body with 6.5 mm armour plate and bullet resistant glass. (g) **Door pillar reinforcement:** using steel armour/light weight composite material reinforcement with welded or bolted armour from outside & inside the pillar. (h) **Cargo area sides:** Both the right & left sides of the Cargo area are fitted with armoured steel. Cargo original vehicle glass (es) will be retained with original look. (i) **Floor bottom:** Protected against the Hand Grenade-HE 36 x 2nos or equivalent. Blast proof carpet made out of Kevlar fabric (j) **Roof:** with 5mm bullet proof steel to protect against 45 degree angle of attack. The panel is welded & pasted with roof, suitable thickness of Kevlar fabric pasted with bullet proof steel to stop recasting of the 45 deg fired bullet. (k) **Fuel tank:** Explosion suppression material filled in the fuel tank to make it explosion proof. (l) Wheels & tyres: 5 Run Flat, tubeless tyre provided (m) **Upholstery:** to maintain height and ergonomics of original interiors (n) **Suspension:** To meet the weight tolerance of the vehicle for bullet proofing heavy duty coil springs and shock observer's along with other fitments
ADDITIONAL FITMENT OF ITEMS	as per customer requirement and feasibility.
ARMOUR MATERIAL	(a) **Steel armour of** 6.2 +/- .5 mm and 5mm steel armour / light weight composite material (b) **Bullet resistant glass of** 42mm thick duly tested for ballistic test and transparency test having multilayer laminated glass bonded with PUPC.
WELDING OF ARMOUR STEEL	Standard armour welding electrode or mig wire approved by armour manufacturer Welded joints are provided with over lapping plates of specified width to avoid bullet entering through gap.
CUTTING OF ARMOUR PLATES	Air Plasma Cutting
USED TO MINIMIZE	heat affected zone. Cut edges of the armour plate are straightened and made free of notches. All the sharp corners are rounded off. All the holes on the Armour plate are drilled by using specified drill only.
PAINTING AESTHETICS	Repainted with good quality paint to give authentic look.
LOOKS LIKE	the original vehicle from outside.

MATERIAL TEST AND CERTIFICATION As per NIJ standards. Tested by TBRL (DRDO) India and H.P. White Laboratory U.S.A

BULLET PROOF BARRACK

DESCRIPTION	TECHNICAL SPECIFICATIONS
SIZE	12'x9x7'.
MATERIAL	MS steel with relevant IS specifications. • Bulletproof Panels • Bullet proof and MS claddings as relevant
STRUCTURE	Integrated grid of steel members supported on load bearing columns interconnected with floor and room beams • Nut and bolt technology • Modular with inter changeable panels. • Two closable/shuttered firing loopholes on front face with armrest • One closable/shuttered firing loophole on sidewalls • Six foldable berths attached to walls
LOAD BEARING COLUMN	MS square hollow columns of size 80x80x4mm with gusset of 6mm MS plate welded at both ends and fixed with room and floor beams. Suitable holes for fixing of panels. Columns conform to IS 4923:1997.
FLOOR & ROOF BEAMS	Longitudinal and lateral beams of varying dimensions.
DOOR	Two inward opening, lockable doors of 6 x 3 feet made of BP Steel with one sliding firing slot each of size 175 x 125 (+/- 5mm). Doors are fitted over frame work of steel channels of width 40mm and thickness 6mm. Doorframe is fitted to the column. Sliding locking arrangement of 12mm diameter round bar on both side.
PROTECTION LEVEL	Each panel is able to provide following protection level: 1. 7.62 x 51mm (SLR) Burst fire of 6 shots at 90 Degrees from 10 meter distance. 2. 7.62 x 39mm (AK-47) Burst fire of 6 shots at 90 Degrees from 10 meter distance. 3. 7.62 x 51mm LMG Burst fire of 6 shots at 90 Degrees from a distance of 50 meters. 4. Splinters of Grenade No. 36 HE from 10 meters. 5. Roof plates against 7.62 x 51mm (SLR) at 45 Degrees from a distance of 10 meters. CFSL certificate for this protection level to be furnished.
OTHER CHARACTERISTICS	**Anti Rust and Corrosion** treatment using bituminous paint. We give a 5 year replacement guarantee for any rusting • Water Proofing of all Joints and Roof • Internal Panelling using 40 mm PUF Panels to cover roof and walls • Rust -free Nuts and Bolts of high carbon steel • Smooth and continuous welding done exclusively with Armoid 1 electrodes **No Maintenance except repainting of the outer face for camouflage purpose once in 5 years. Plates damaged in fire assault can be replaced by occupants within 30 minutes without the need to come outside. Damaged port shutter can also be replaced.**
WIND EFFECT	**Temporary erected structure can** withstand wind velocity of over 70Kmph while a permanent erected will remain stable against wind velocity of 100-120 Kmph.
CARRIAGE & TRANSPORTATION	**Maximum plate weight is** 25-30 kg along with fitments and size is 27" x 24" enabling man pack carriage, animal transport, light vehicles including jeeps and by Cheetah helicopters.

MATERIAL TEST AND CERTIFICATION As per NIJ standards. Tested by TBRL (DRDO) India and H.P. White Laboratory U.S.A

BULLET PROOF SENTRY POST

DESCRIPTION	TECHNICAL SPECIFICATIONS
STRUCTURE	Three sides, lower segment BP steel plate of 6.5mm thickness covering 48" height and 48" width Three sides, middle segment BP glass of 50mm thickness covering 24" height and 48" width Three sides, firing slots between lower BP steel segment and middle BP glass segment of 6" height Upper segment above BP glass segment of plain, transparent toughened glass of 10mm thickness. Framework of MS steel square pipe
WEIGHT	475 kg +/- 5%
HEIGHT	Internal height should be 8 feet.
COLOUR	blue and red stripes or as required
PROTECTION LEVEL	Protection level-III (protection from 7.62mm SLR or AK-47 bullets or splinters of 36HE hand grenade from 10 meters)
OTHER	Complete outer area of roof of FRP. Rear door of FRP and of dimension 6-feet height and 2.5 feet width without Bullet Proof Material. Complete outer and inner area of the BP steel covered with water-proof plywood. Portable Fan & CFL Lamp with provision foe electrical connection will be filled inside the cabin. All steel having protective anti-rust coating.
MATERIAL TEST AND CERTIFICATION	As per NIJ standards. Tested by TBRL (DRDO) India and H.P. White Laboratory U.S.A

BULLET PROOF SENTRY CABIN

DESCRIPTION	SPECIFICATION
DIMENSION*	48" (L) x 48" (W) x 84" (H) - +- ½"
WEIGHT	Total: 780 Kgs Approx
PER PANEL	55 kgs
FIRING SLOTS	2 per side. Each of 175 x 125 + 5mm Total :6 slots
OBSERVATION SLOT	1 per side. Each of 255 x 175 + 5mm Total 3 slots
INTERIOR FINISHING	Wooden panel effect using 12mm pre-laminated board
ROOF & FLOOR	MS Sheet Roof
STRUCTURE	40x40mm Square Pipe, 35x35mm Angle
HANDLING	2 Nos handles welded on floor plates for easy carrying
LOCKING ARRANGEMENT	Based on nuts and bolts only
ASSEMBLY TIME	Within 3 hours
PROTECTION LEVEL	Each Panel provides protection from: 1) 7.62 x51mm (SLR) from 10 meters 2) 7.62 x 39mm(AK-47) from 10 meters 3) 5.56 INSAS 4) Splinters of Grenade No 36 HE from 10 meters
MATERIAL (BP STEEL)	Bullet Proof Steel tested by TBRL/HP White laboratory USA.
REPLACEMENT	Panels are individually replaceable. Port shutter is also replaceable
COLOUR	as per user choice *Size of Security cabin can be changed as per user's requirement.
MATERIAL TEST AND CERTIFICATION	As per NIJ standards. Tested by TBRL (DRDO) India and H.P. White Laboratory U.S.A

BULLET PROOF MORCHA

CHARACTERISTICS	TECHNICAL SPECIFICATIONS			
ASSEMBLING	3 plates (Left, Right & Centre) -Can be conveniently assembled & dismantled			
HANDLING	Two convenient carrying handles provided			
DIMENSIONS		Per plate	Per plate	
	Height	1200 mm	1900mm	
	Width	700mm	750mm	
	Total Morcha Weight	<160 kgs	<250 kgs	
FIRING PORT	One firing port window of size 175 + 5mm X 125 + 5mm per side with adequate overlapping BP sliding shutter from inner side. Height of firing port as per user requirement.			
FITMENTS	i) No compromise on BP properties of steel due to fitments ii) Joints are tested for maintenance BP property iii) No gap between sheets in assembled morcha.			
WEIGHT OF MORCHAS	Less than 160 Kgs.			
COLOUR	Green / Disruptive / Camouflage pattern / as per user requirement.			
LOCKING ARRANGEMENTS	Convenient locking arrangements for assembling & dismantling.			
PROTECTION LEVEL	at 90 degree angle for each panel	1200 mm Morcha	1900 mm Morcha	
	6 shots from SLR (7.62mm X 51mm) at Distance of 10 mtrs	Yes	Yes	
	6 shots from AK-47 (7.62mm x 39mm) at a distance of 10 mtrs.	Yes	Yes	
	6 shots from INSAS Rifle at a distance of 10 mtrs.	No	Yes	
	*(**Note:** Minimum distance between shots less than 20mm. The distance of shots from the edges would not be less than 30mm.)			
REPLACEMENTS	Modular structure for easy replacement			
PROVISION OF WHEELS	Detachable wheels can be provided			
MATERIAL TEST AND CERTIFICATION	As per NIJ standards. Tested by TBRL (DRDO) India and H.P. White Laboratory U.S.A			

BULLET PROOF SHIELD

CHARACTERISTICS	TECHNICAL SPECIFICATIONS
SIZE	36 x 48 inches
PROTECTION	Head to toe & blast force protection. NIJ Standard Level III
TYRES	Non-deflatable all terrain vehicle (ATV) tyres
USABILITY	Can be used on rough and unfinished surfaces
PORTABILITY	Single man movement
OTHER	Has firing cum observation slots
MATERIAL TEST AND CERTIFICATION	As per NIJ standards. Tested by TBRL (DRDO) India and H.P. White Laboratory U.S.A

BULLET PROOF PODIUM

TECHNICAL SPECIFICATIONS

- Consists of 3 (three) separate plates joined together by means of hinges/bolts.
- Glass fitted 3 Pcs. Over the plates when joined.
- Plywood with sunmica provided in front of each plate to give the impression of purely wooden Podium.
- A wooden electron is provided inside the Bullet Proof Podium with sunmica on top with provision for mike and tube light.
- Separate models for protection against 7.62 x 39 mm (AK-47) and 7.62 x 51 mm Nato Ball.
- Weight: Approximately 350 Kgs.
- Dimensions of the Bullet Proof Plate: 46" x 27" Made of Phantom Steel.
- Bullet Proof Glass: 3 (three) pieces of 40/50 mm thickness. Glasses are fixed on top of the plates.

MATERIAL TEST AND CERTIFICATION As per NIJ standards. Tested by TBRL (DRDO) India and H.P. White Laboratory U.S.A

OBSERVATION TOWER

DESCRIPTION	TECHNICAL SPECIFICATIONS
DIMENSION	SIZE-120″ + ½ (L) x 96″ +/- ½″ (H)
WEIGHT	Weight of B.P. 1600 +/- 20 Kgs. And mild steel (Angle + Channel) Weight 700 kgs. Total weight of Machan 2300 Kgs.
FIRING/OBSERVATION SLOT	Size-250 +/- 5 x 160 +/- 5 x 6.2+ .5/-0mm Qty 18 Nos.
DOOR	Size-670 +/- 5x 1346 +/- 5 x 6.2+ .5/-0mm
PANELS	**Size (mm)** +/- 5 / **Qty (nos.)** 670 x 1105 x 6.2 / 06 (Front Portion) 670 x 1015 x 6.2 / 09 (Back Portion) 670 x 1140 x 6.2 / 12 (Side L & R Portion) 670 x 835 x 6.2 / 01 (Upon The Door Portion) 670 x 1375 x 6.2 / 01 (Door Portion) 670 x 1195 x 6.2 / 10 Floor Portion)
ROOF	Fiber roof (Green colour) of 120″ +/- ½″ x 156″ +/- ½″
HANDLING	2 handles welded on floor plate for easy carriage
WEIGHT OF PANELS	40 +/- 5 Kgs each
LOCKING ARRANGEMENTS	Each plate has easy locking arrangements for assembly and dismantling using nuts and bolts.
ASSEMBLY TIME	Within 4 Hours.
PROTECTION LEVEL	Each plate would be able to provide following protection level- 1) SLR (7.62mm x 51mm) distance from 10 meters. 2) AK-47 (7.62mm x 39mm) from 10 meters. 3) Splinters of Grenade NO. 36 HE from 10 meters.
REPLACEMENT	Modular with replaceable parts.
COLOUR	Green/Camouflage.
MATERIAL TEST AND CERTIFICATION	As per NIJ standards. Tested by TBRL (DRDO) India and H.P. White Laboratory U.S.A

BULLET PROOF JACKET

OPERATIONAL CHARACTERISTICS	TECHNICAL SPECIFICATIONS
COVERAGE	Full front and back torso protection
PROTECTION LEVEL	9mm Pistol/Carbine
WARRANTY	12 months from the date of taking and 18 months from the date of dispatch.
DESIGN	Vest should be designed and fabricated. Maintain thread tension
CONFIGURATION	**Carrier System:** • Vapour moisture breathable • Machine washable and ironable • Overlap sides and shoulder using nylon webbing and Velcro. Shoulder width (2"- male, 1.5"- female) and sides 4" • Attach plastic clips • Built-in pull-tabs • Rear drag strap • Adjustable to avoid "Ride up" • Reinforced and adequately stitched the carrier
BALLISTIC PANEL	• Threat level-9mm bullet protection level • Seam sealed along with anti-trauma pad • Free from defects • All weather proof • Would be removable from the canter • No unnecessary stitching through the ballistic layers.
TRAUMA PAD	• Provide non-ballistic trauma protection • Made of extremely lightweight non-woven, vapour moisture breathable, honey-comb structured thermo-plastic poly urethane.

BULLET PROOF PATKA

DESCRIPTION	TECHNICAL SPECIFICATIONS
GENERAL CHARACTERSTICS	a) Light weight Bullet proof Patka would be convenient and comfortable to wear/ handle. b) It would not impede the movement of wearer in carrying out his functions. c) It would not have an ill effect on the head of solider. d) The material would be breathable.
PHYSICAL CHARACTERISTICS	a) In three parts - 1) the litloned steel band 2) disruptive cotton/terricot cover with strapping harness and 3)foam trauma pad with cover. b) Sizes i. Large 28" ii. Medium 27" iii. Small 26": Weight: less than 1.850 kgs. c) Colour: disruptive heavy duty and not to be affected any moisture. d) Shock absorbant trauma pad not less than 40 density. e) Steel band covering the entire circumference of the head above the eyes and ears of 3 inch width f) Balance strapping/adjustable system using Velcro fasteners. g) Steel ring with anti rust & moisture proof coatings.
PROTECTION LEVELS	Protection from front side SLR 7.62mm & Rear side AK-47 Rifle.
MISCELLANEOUS	Bilingual user's manual would be provided for proper maintenance. cup shaped, plastic chin strap for secure fastening instead of Velcro straps Additional padding for the scalp portions and proper fitting. All strap joints are box stitched.

BULLET PROOF HELMET

OPERATIONAL CHARACTERISTICS	TECHNICAL SPECIFICATIONS
ERGONOMY & FEATURES	• Long wearing comfort of 6-8 hours • Can be worn, adjusted and removed even with gloved hands • Three point chin strap with cotton chin cup • Allows use of optical equipment covers neck and ears facilitates use of hand sets of in-service communication equipment • Has provision to mount a display system/hands free communication equipment /electro-optical devices • Has provision to attach a visor
FINISH	Crinkle matt finish in buyer's choice of colour
PROTECTION	Level II
INNER LINING/HARNESS	adjustable to head size Minimum distance between the harness and the inner surface of 13 mm Comfortable Ensures air circulation.
CHIN STRAP	• Adjustable chin strap with three point support • Rugged enough to withstand rough handling in the field • Buckle with smooth functioning positioned appropriately to allow aiming during firing. Harmless to skin in all climate temperatures.
PACKING	Individually packed in a water proof carry bag.

RIOT CONTROL EQUIPMENT

SHIELD

THE Poly carbonates shield comes in the following sizes and thickness:

a. 1:3*2 feet with 3mm thickness colour- transparent Shape- rectangular with spherical dome and handle with strap.
b. 2:3*2 feet with 4mm thickness colour- Transparent Shape- rectangular with spherical done and handle with strap.

POLY CARBONATE LATHIS/BATON

a. 100: Baton length of 100cm with dia 1' and suitable handle on one side and closed Cap at other side.
b. 105: Baton length of 105cm with dia 1' and suitable handle on one side and closed Cap at other side.
c. 60: Baton length of 60cm with dia 1' and suitable handle on one side and closed Cap at other side.
d. 50: Baton length of 50cm with dia 1' and suitable handle on one side and closed Cap at other side.
e. 40: Baton length of 40cm with dia 1' and suitable handle on one side and closed Cap at other side.

BODY PROTECTOR

It's made of polycarbonate sheet of 2mm thickness. Its comes along with elbow and shin guard with rubber for shock absolver.

HELMET

Helmet comes along with 4mm thick transparent polycarbonate visor.

DOOR FRAME METAL DETECTOR

	TYPE: 1	TYPE: 2	TYPE: 3
General	Door frame is made up of sun mica within built WALK-STOP indicators. The complete electronics is placed on the top of the wooden frame with plug in card systems and IR sensors to avoid outside movement alarms. • Auto Tuning /Calibration Setting • Advanced Microprocessor controlled induction loop. • Quick and Easy to install. • Membrane switches and Backlit LCD. • Uniform detection from Top to Bottom. • It has general immunity to electro magnetically noisy environments. • The DFMD is completely weather proof, rugged and designed for trouble free long life. • Four tone: 1. Simple alarm for small metal. 2. Fine alarm for medium metal. 3. Police alarm for heavy metal. 4. Different tone for ferrite detection.	Type: 2 is a 9 (Nine) zone metal detector. The complete electronics is placed on the top of the frame with plug in card systems and IR sensors to avoid outside movement alarms. 9 zones over-lapping zones with Left Top, Center Top, Right Top, Left Middle, Right Middle, Left Bottom, Center Bottom and Right Bottom. • Auto Tuning/Calibration Setting • Advanced Microprocessor. • Quick and Easy to install. • Membrane switches and Backlit LCD. • Uniform detection from Top to Bottom. • It has general immunity to electro magnetically noisy environments. • The DFMD is completely weather proof, rugged and designed for trouble free long life. • Password protected along with mechanical key. • RS 232 compactable (OPTIONAL) • Traffic thru LED indicator.	Door frame is made up of flexible cable housed in telescopic extendable PVC pipe frame with clutch's for quick release and locking systems is contained in the canvas carrying bags. The pipes can be joined to form a door frame by releasing the clutch. • The control unit is housed in a brief case. Wooden ramp for protection of coils and two wooden legs for stability of the frame are provided. • The entire system can be assembled in less than 5 minutes to form an archway door frame metal detectors. It has plug in card systems and IR sensors to avoid outside movement alarms • Auto Tuning/Calibration Setting • Advanced Microprocessor controlled induction loop. • Quick and Easy to install. • Uniform detection from Top to Bottom. • It has general immunity to electro magnetically noisy environments. • The DFMD is completely weather proof, rugged and designed for trouble free long life. • Four tone: 1. Simple alarm for small metal. 2. Fine alarm for medium metal. 3. Police alarm for heavy metal. 4. Different tone for ferrite detection.
Technical			
Technology	Micro processor	Micro processor	Micro processor
Tuning	Auto setting	Auto setting	Auto setting
Zone	Single	9 (Nine)	Single
Visual Display	LCD/LED	LCD/LED	LCD/LED
Audio	Four Tone	Multiple	Four Tone
Counter	5 digit IN, Out & NET IN	5 digit IN,	5 digit IN, Out & NET IN
Sensor	IR	IR	IR
Sensitivity Level	0 to 9	1 TO 150	0 to 9
Low battery	Low battery & WALK-STOP	Low battery	Low battery Controls
Controls	0 to 5	Volume, Tone, Sensitivity	0 to 5
UPS	>80 hrs	>10 hrs	>40 hrs
Power	230 VAC ± 15% 50 Hz	230 VAC ± 15% 50 Hz	230 VAC ± 15% , 50 Hz
Battery	6 V rechargeable	6 V rechargeable	6 V rechargeable
SMPS	90 V to 270 V	90 V to 270 V	90 V to 270 V
Operating Temperature	-20°C to + 55°C	-20°C to + 55°C	-20°C to + 55°C
Physical			
Size	80 x 200 cm approx	80 x 200 cm approx	80 x 200 cm approx
Weight	Approx 50 Kg	Approx 50 Kgs	Approx 25 Kgs

HAND HELD METAL DETECTOR

TYPE: 1

- Single push-button operation. (Fatigue free operation)
- Automatic turning.
- Highly sensitive-Weapons screening system.
- Fast scanning rate.
- No false alarms.
- Large coil for wide coverage.
- LED indicator with audio alarm.
- Works for >200 hours on 9 V Alkaline battery.
- Lightweight <300 gms.
- Detects ferrous and non ferrous.
- Rechargeable battery (Optional)
- Operating temperature -30^0 c to 55^0 c

TYPE: 2

- Light weight < 500 grams
- Auto calibration
- Audio alarm proportional to the size of the metal
- LED display
- Detects ferrous & non ferrous metal
- Dual battery (rechargeable and dry battery) with auto change over
- SMPS in built charger
- WORKS for > 80 hrs
- Two tones audio alarm (distinct tone for ferrite)
- Area of search coil : 125 sq. cm (Mini)
- Length of detector : 400 mm (Max)
- Lengths of search coil : 340 mm (Max)
- Ear phone (Optional)
- Vibration (Optional)
- Operating temperature – 30^0 c to 55^0 c

TYPE: 3

- Single push button operation .(Fatigue free operation)v
- Automatic tuning
- Highly sensitive – weapons Screening system
- Fast scanning mode
- No false alarms
- Large coil for wide coverage
- LED indicator with audio alarms
- Works for > 350 hours on 9 V Alkaline battery
- Light weight < 300 gms
- Detects ferrous and non ferrous
- Rechargeable battery (optional) at extra cost
- Operating temperature -30^0 c to 55^0 c

UNDER VEHICLE SEARCH MIRROR

An excellent tool for security personnel/bomb disposal squad.
An excellent under vehicle/ table search operation.
Locate explosives hideouts without physically approaching.
Light weight, Distinct Vision, Maintenance free.
Easy to understand and Operate.

Model	IM-IIRTL	IM-IIT	IM-II	IM-IFT
Telescopic Rods	50-130cm	50-130cm	50-130	50-130
Mirror	CONVEX 35cm	CONVEX 35cm	CONVEX x35cm	PLANE MIRROR
Lighting	7 WATT CFL LAMP	TORCH	NO	TORCH
Wheels	5cm Dia caster	5cm Dia caster	5cm Dia caster	5cm Dia caster

TELESCOPIC EXTENSION SURVELLIANCE PERISCOPE SEARCH MIRROR

Extension search mirror have the following feature:
Extendable/ collapsible rod with universal-angel manoeuvrability
Incorporate a swivel joint for easy positioning of the mirror and soft hand grip.
All material is rust proof
Light weight
Maintenance free

Model	IM-V(A)	IM-IVT	IM-IA	IM-IIT	IM-IIIA	IM-IIA	IM IT
Length	50-200cm	50-170cm	50-130cm	50-90cm	50-130cm	50-90cm	90cm
Convex Mirrors	225 x 125mm & 225 x 75mm	225 x 125mm& 225 x 75mm	225 x 125mm & 225 x 75mm	225 x 125mm & 225 x 75mm	125 x 175mm	125 x 175mm	125 x 75mm
Telescopic Extension	5 NOS	4 NOS	3 NOS	2 NOS	3 NOS	2 NOS	1 NOS
Handle & Arm Rest	YES	YES	YES	YES	YES	YES	YES
Torchs	YES	YES	YES	YES	YES	YES	YES

DEEP EARTH METAL DETECTOR

1. For professional, lightweight and rugged and highly sensitive.
2. Pulse induction technology
3. Audio alarm proportional to the size of metal.
4. Detect metal and its alloy.
5. Two coils of Circular & Elliptical shapes.
6. Telescopic handle for easy handing along with grip and handset.
7. Rechargeable battery with in built SMPS charger from 90 v to 200
8. Pin Point Location
9. Coils are waterproof
10. Sensitivity is adjustable from 0-9
11. Head Phone facility
12. Volume control

HANDHELD SEARCH LIGHTS

TYPE: 1

- Type:1 is made of Super Tough glass filled Nylon material having minimum 2mm thickness 1 piece construction.
- Suitable for 50W/55W Halogen Lamp.
- Operating range of about 1000 mt (i.e. 1 km)
- Beam distance of 350mt (minimum) so as to detect group of persons.
- Shock resistance front glass.
- SMPS inbuilt charger working on from 90 V to 270 V, 50 Hz.
- Special Dimming Feature for INDOOR use.
- Emergency Lighting Effect for INDOOR use.
- Timer and continuous mode.
- Auto flashing feature with variable ON/OFF time- Manual flashing mode.
- Advance low battery status indication is also provided with long delayed audio beep.
- DC blown fuse indicator is provided on the panel.
- Adjustable timer (optional)
- Remote control (optional)

TYPE: 2

- Type:2 is made of Super Tough glass filled Nylon material having minimum 2mm thickness 1 piece construction
- Micro controller based HHSL
- Suitable for 50W/55W Halogen Lamp
- Operating range of about 1000 mt (i.e. 1 km)
- Beam distance of 350mt (minimum) so as to detect group of persons.
- Shock resistance front glass
- SMPS inbuilt charger working on from 90 V to 270 V
- Membrane switches (gold plated tracks with minimum life of 1 million operations) back lit with distinct colour LEDs
- Dimming Future: The full glow of the light can be varied by way of pressing the corresponding membrane switch in upward or downward direction.
- Single System ON membrane switch is provided. The colour of the system ON LED indicate the status of battery (i.e. Green colour for OK battery status, Yellow colour for advanced low battery status, Red colour for low battery status)
- Mode switch is provided to select Timer, Flasher, Continuous Mode. The colour of LED glow is corresponding to the mode return in the same colour. (i.e. Red colour is for Timer Mode, Yellow colour if for the Flasher Mode, Green colour is for Continuous Mode).
- The timer of Auto Flashing can be increased or decreased by pressing the corresponding membrane switch in upward or downward direction.
- Charging status shall be indicated by Tri colour LED embedded in the panel. (Red LED will glow when battery is on normal charge, Amber LED will glow when battery is Trickle charge and blinking Green LED will glow when battery is fully charge.)
- Special Dimming Feature for INDOOR use.
- Emergency Lighting Effect for INDOOR use.
- Auto flashing feature with variable ON/OFF time.
- Advance low battery status indication is also provided with long delayed audio beep.
- DC blown fuse indicator is provided on the panel.
- Timer and continuous mode.
- Remote control (optional)

BOMB DISPOSAL GEAR

BOMB TROLLEY

DESCRIPTION	TECHNICAL SPECIFICATIONS
TRAILER CAPACITY	150 lbs.
EXPLOSIVE CAPACITY	Upto 5 kg TNT
COLOUR	Gel-coated white.
WEIGHT	**1500 pounds unladen (approx)**
SYSTEM	Doubled-vented system (trailer and bomb basket) directs explosive forces upwards. Certified to withstand the blast of 35 sticks of 60 percent get dynamite without major delamination and no penetration of transport that is affixed to trailer. Lightweight transport system easily towed by one person.
STRUCTURE	Trailer body made of molded fiber glass with protective gel coat surface. 4 wheels, independently coil suspended and attached to trailer frame, with no through axles, 5 bolt hub, utilizing 20.5 x 8.0-10, tubeless nylon, load range Tires. 10" drop centre rim; hubs to be double bearing. Operation possible in off road areas e.g. in combination with a smaller towing vehicle like a jeep and larger vehicle like truck. Storage compartment 56"x 18"x 16" located on front of 17' and 20' trailer other storage built into cat walk
TRAILER TRANSPORT CONE	**M**ade of minimum 40 lamination of non-fragmenting ballistic fiber glass built in a proprietary method of weave and laminations, measuring not less than 50" across the top and built at a specified cone angle. Cone suspended from 4 upright non-fragmenting fiber glass stays 1" thick and 8" wide by 30,000 Pound test nylon webbing or rope. Trailer has a lifting device and anchoring mechanism made of tubular steel, with the capability of being moved in an arc parallel to the ground and has the capability of being operated from a distance of 100 feet from the trailer body-this is an integral part of the system. Tube double wall 5/8 high grade steel with full bottom. Outside tank diameter is 42" inside tank diameter 34".
SHIPPING DIMENSIONS	148"x 74" x 68" approx
COMPATIBILITY	Can be attached with any existing truck.
LIGHTING SYSTEM	Electrical includes 8 clearance, 4 stop / turn and flashing warning lights Lighting system LED
HOIST	Fold away elbow action with 3600 swivel base, snap-lock pulleys and electric cable winch with 50' cable include pendant station with 100' cord.
ACCESSORIES	Robot ramps 3 flip placard with 6 hazardous material warnings, spare tyres. Internal tube holding net.

BOMB BLANKET

Bomb blanket is made up of Kevlor Armid fabric to with stand F3 Level of protection V50 at 45m/sec. Its comes along with satety circle to minimize the impact. The Bomb Blanket consist of a nylon web loop near the 4 corners. In high magnitude explosion the blanket rises to a parachute configuration while the sides drop to contain blast.

Protection level of v50 at 550m/secs is also available.
Protection level for 100gm also available.
TRBL Text Certficate Available.

BOMB BASKET

Made of non - fragmentation ballistic fibre glass with a minimum of limitations 24 inch diameter,36" high. Have nylon holding net suspended inside basket. Its made to withstand a blast of 200gm of TNT or equivalent without major delamination no penetration. Provision of detachable base plate. Weight approx 50kgs. Marking of datum on the exterior of the basket to allow X-rays. Rubber rings for facilitating of rolling the basket without damaging its Exterior. Glowing colors for clear visibility to all personnel (Red/Orange

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Head Office : Plot No. 1040, Sector 82, JLPL Indl. Park, Mohali-160 062 (Pb.) India | E-mail : info@bharijfabricators.com
Website : bharijfabricators.com | Phone : +91 172-6537171, Fax : +91 172-2267171

Works: E-98 & 99, Focal Point, Chanalon, Near Kurali, Distt. Mohali-140 103 (Pb.) India | Tel.: +91 160-2642371, Fax : +91 160-2640563